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HARMONICS

Jayne Publications

P.O. BOX 175 MALDEN, MA. 02148

by

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Barry Sahagian

Harmônicos

Examine os diagramas cuidadosamente, Foram usados *Harmônicos* no quarto, quinto, sexto e sétimo trastes quase que exclusivamente, com a exceção de alguns exemplos. Nestas quatro posições (em um baixo de 4 cordas) encontram-se todas as notas de uma escala cromática exceto Bb e Eb, quatro escalas maiores e inúmeros acordes. Foram incluídos 90 acordes usando-se todos os tons.

Estes acordes são formados inteiramente por *harmônicos*, ou por duas ou três notas harmônicas, mais uma nota tocada normalmente. Acrescentando uma nota “normal” às estruturas de *Harmônicos*, enriquece e multiplica as possibilidades do uso de *Harmônicos*, como você verá. A maioria dos acordes tem a tônica como nota mais grave, o que torna os acordes mais funcionais, numa situação real. Muitos dos acordes não se conseguem tocar com um só ataque. Exemplos no final do livro demonstram este tipo de abordagem.

Nos DIAGRAMAS de acordes, um QUADRADO representa um *Harmônico*. Um CÍRCULO representa uma nota tocada normalmente.

Nos exemplos de PARTITURA, um pequeno círculo sobre uma nota, representa um *Harmônico*; uma nota sem o círculo deverá ser tocada normalmente. Lembre-se que o *Harmônico* deverá ser tocado em uma das quatro posições (trastes) mencionados anteriormente, a não ser que seja indicada uma outra opção no exemplo específico. Tocar um *Harmônico* em posição errada produzirá uma nota diferente.

Dica: depois que estiver dominando alguns dos exemplos deste livro, pratique-os em músicas que você já toca com sua banda e comece a empregá-los quando tocarem juntos, não se esquecendo de observar as expressões de surpresa e admiração dos outros músicos à medida que você cuidadosamente e com bom gosto ornamenta a música com “delicadas explosões de cores”.

Palavras chaves;

Inglês Português

Fret = Traste.

Nota do tradutor;

Harmônicos são como um bom perfume; use-os na medida certa e todos vão querer estar (tocar) com você.

H A R M O N I C S

Look over the charts carefully. I have used the harmonics on the Fourth, Fifth, Sixth and Seventh positions almost exclusively with the exception of a few examples. Within these four positions are all the notes in a Chromatic Scale except Bb and Eb, Four Major Scales and countless Chords. I have included 90 of them in all keys.

These Chords are made up of two or three Harmonic notes plus one Fretted note or entirely by Harmonic notes. Adding Fretted notes to the Harmonic structures multiply the possibilities of Harmonic playing, as you will see. Most of the Chords have the root for the lowest note which make them more functional in a playing situation. Many of the Chords cannot be played completely with one attack. My examples in the latter part of the Book illustrate various approaches on this matter.

On the Chord Diagram a SQUARE represents a Harmonic Note. A CIRCLE represents a normally Fretted Note as illustrated.

On the written Examples, a SMALL CIRCLE over the note represents a Harmonic Note; NO CIRCLE represents a normally Fretted Note. Remember, that the Harmonic Notes must be played in one of the four positions indicated unless I have remarked otherwise. To play a Harmonic Note in the wrong position will produce a different note.

After you have a few of these Chords under your fingers; work a few of them into some of the songs that you do on your gig or session. Then watch for looks of surprise on fellow band member's faces as you tastefully create splashes of color that do nothing less than make you sound like the well-rounded Bassist.

Barry Sahagian

Chord Index

C C LYD 26 C SUS 23 C° 43 C MAJ 7, 13 . . . 1 C MAJ 9#11 . 52 C TRIAD 12 C- 73 C MAJ 13 16 C+ 81	F# F#- TRIAD . . 6 F#-9 84 F# SUS 37 F# 91 F# TRIAD . . 70 F#- TRIAD . 83
D^b D ^b MAJ 7 . . . 17 D ^b 7 65 D ^b LYD 47 D ^b - 82 D ^b LYD 48 D ^b SUS . . . 86 D ^b - 53 D ^b MAJ TRIAD . 64	G G TRIAD . . . 5 G- 71 G MAJ 7#11 . 14 G MAJ 7, 13 . 76 G MAJ 7 . . 18 G SUS . . . 22
D D MAJ 7 2 D MAJ 9 . . . 46 D SUS 9 10 D MAJ 7 . . . 57 D- 21 D 7 77 D MAJ 13 . . . 32 D TRIAD . . . 85	A^b A ^b MAJ 7 . . . 9 A ^b 7 ^b 5 88 A ^b ° 42 A ^b MAJ 7 . . . 90 A ^b - 59 A ^b Δ 7#11 . . . 40 A ^b LYD . . . 80
E^b E ^b MAJ 9, 13 . . 15 E ^b 9, 13 . . . 51 E ^b LYD 25 E ^b 7 55 E ^b - MAJ 7 . . . 29 E ^b 7 ^b 5 . . . 56 E ^b - 50 E ^b -9 61	A A 7 8 A MAJ 9, 13 . . . 4 A MAJ 20 A SUS 9 . . . 54 A SUS 33 A MAJ 7 . . . 58 A SUS 34 A-7 63
E E DOM 7, 13 . . . 3 E MAJ 9 . . . 39 E-7 19 E 7#9 79 E 7 31 E MAJ 9, 13 . 72 E TRIAD . . . 38 E-9 68 E° 41	B^b B ^b MAJ 7, 13 . . 11 B ^b LYD . . . 13 B ^b - 49 B ^b - Δ 7 . . . 27 B ^b -9 62 B ^b 9 28 B ^b 7 66 B ^b TRIAD . 89 B ^b 6 67
F F MAJ 9 24 F 6 78 F- 35 F-9 36 F- 69	B B-9 7 B- 60 B-7 30 B TRIAD . . . 74 B° 44 B MAJ 9 . . . 75 B MAJ 9 . 45 B MAJ 7, 9, 13 . 87

Harmonics Chart

7th fret harmonics same
as fretted note

6th fret harmonics a major 3rd
from fretted note

5th fret harmonics a 5th
from fretted note

4th fret harmonics same
as fretted note

			B	G	F	D		
			F#	D	C	A		
			C#	A	G	E		
			G#	E	D	B		



= Harmonic note =



= Fretted note =

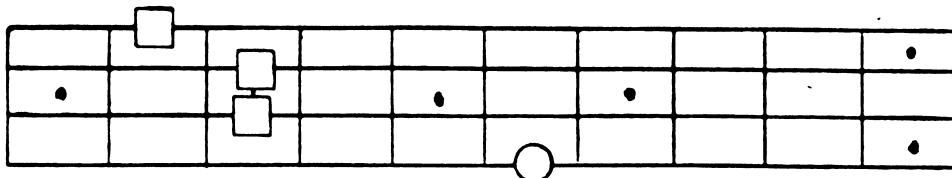


= Either

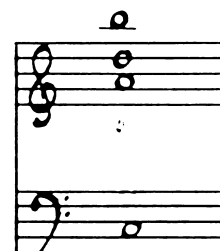
1

C MAJ 7, 13

3rd
fret

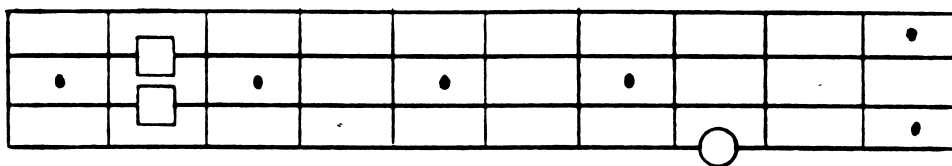


B
D,
A
C

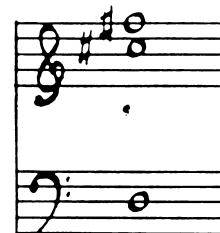


2

D MAJ 7

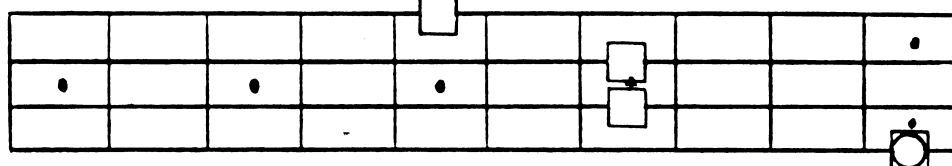


F#
C#
D

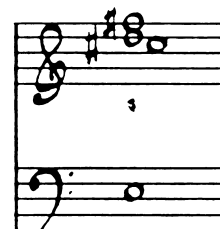


3

E 7, 13

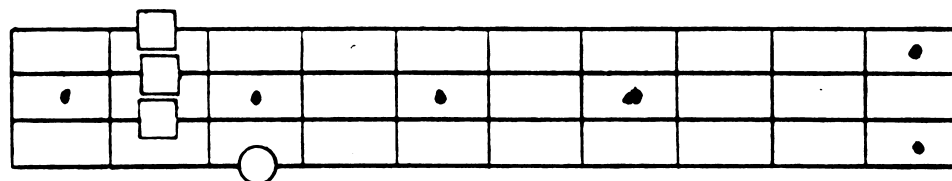


D
F#
C#
E

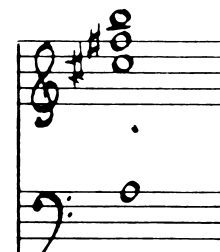


4

A MAJ 9, 13

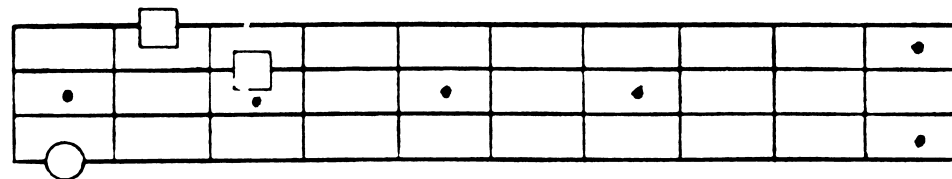


B
F#
C#
A

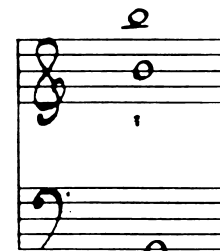


5

G MAJ. TRIAD



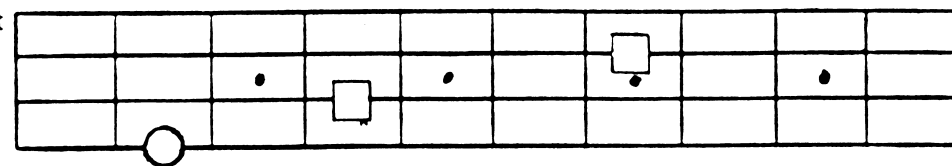
B
D,
G



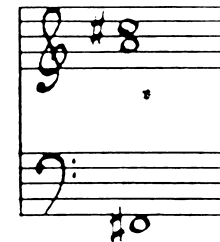
6

F# - TRIAD

1st
fret



A
C#
F#



7 **B-9**

3rd Fret

D
A
C#
B

8 **A7**

G
A
C#
E

9 **A^b MAJ 7**

C
G
Ab
Eb

10 **D SUS 9**

G
A
E
D

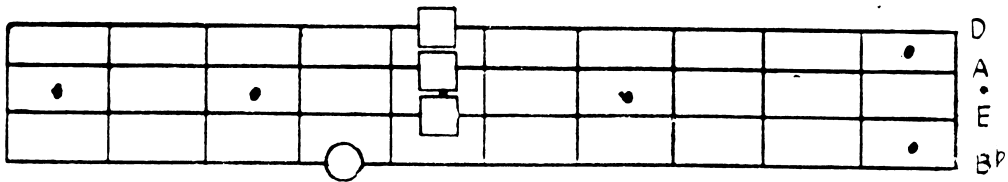
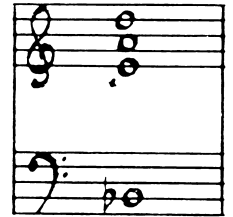
11 **B^b MAJ 7, 13**

G
D
Ab
Bb

12 **C MAJ Triad**

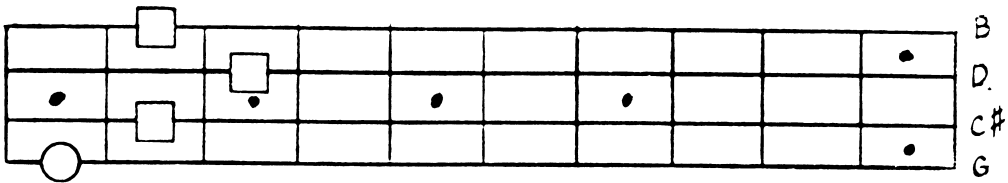
G
E
C

13

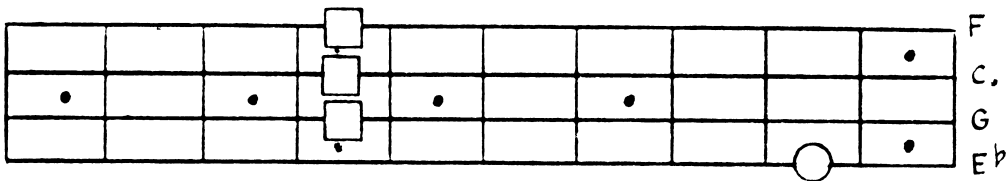
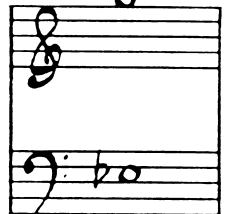
B^b LYDD
A
E
B^b

14

G LYD

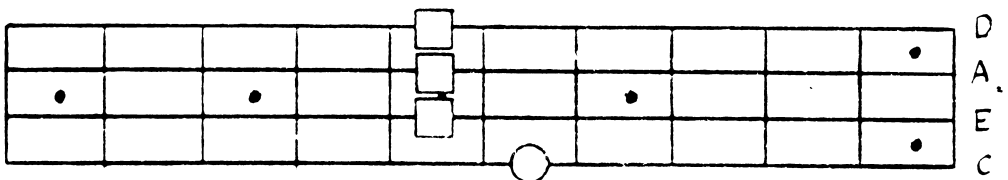
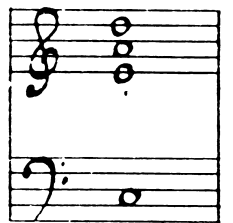
B
D
C[#]
G

15

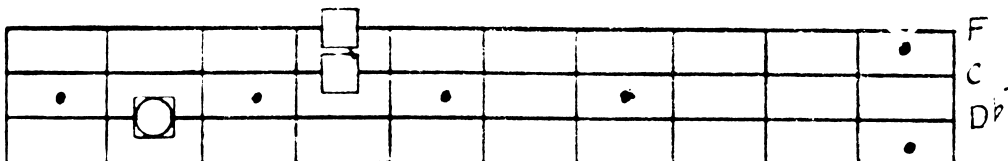
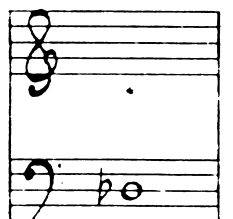
E^b MAJ 9, 13F
C
G
E^b

16

C MAJ 9, 13

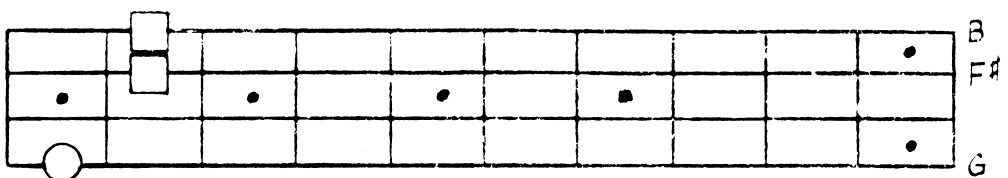
D
A
E
C

17

D^b MAJ 7F
C
D^b

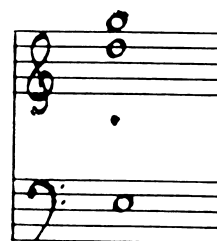
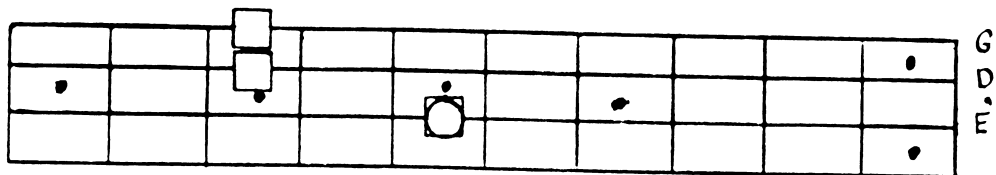
18

G MAJ 7

B
F[#]
G

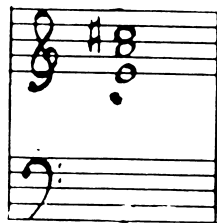
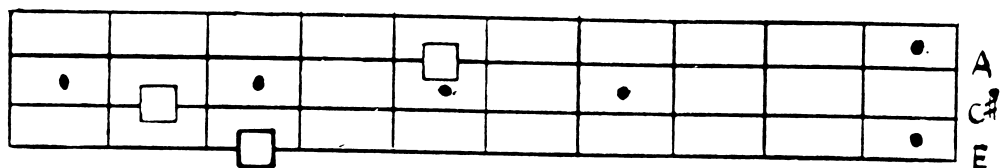
19

E - 7



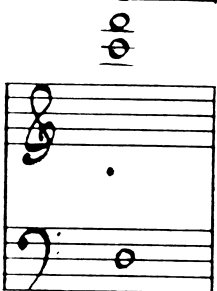
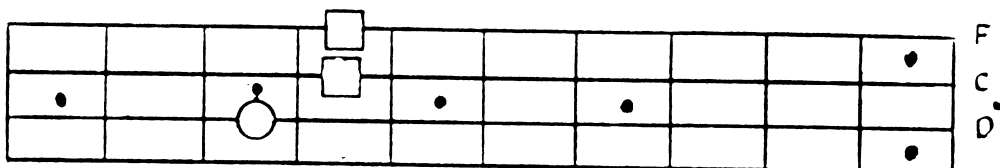
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A MAJ



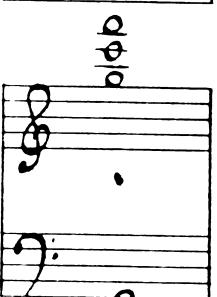
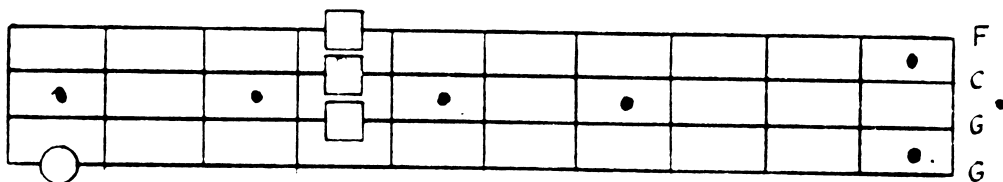
21

D -



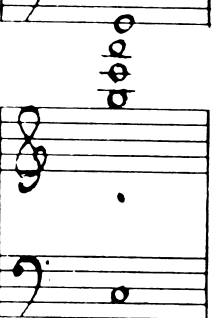
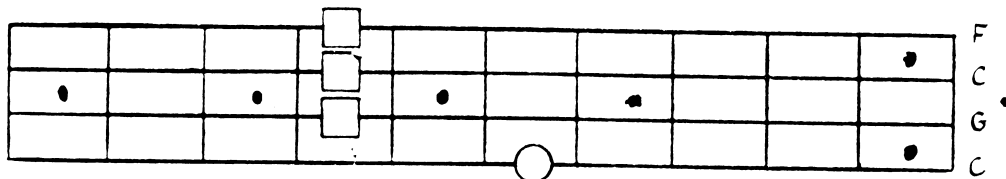
22

G SUS



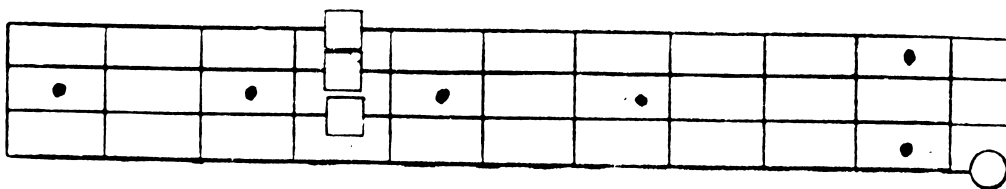
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C SUS



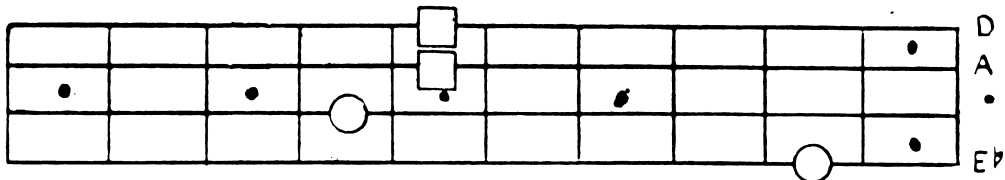
24

F MAJ 9

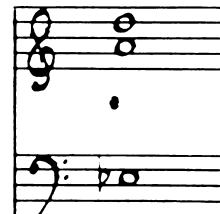


25

E^b LYD

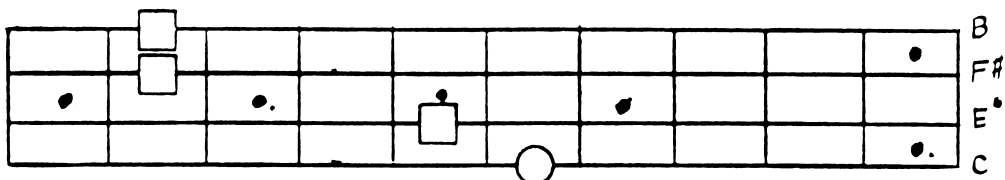


D
A
E^b

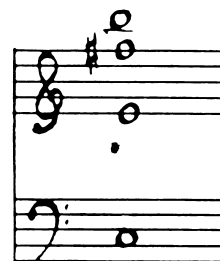


26

C LYD

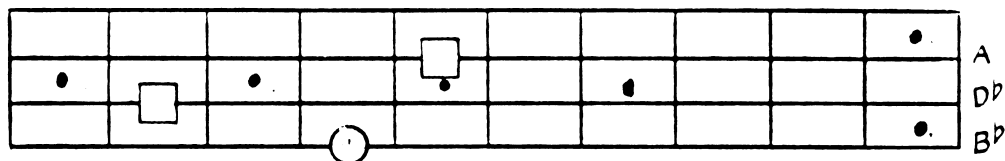


B
F#
E
C

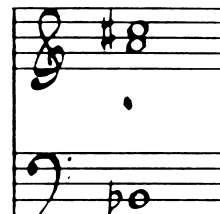


27

B^b - MAJ 7

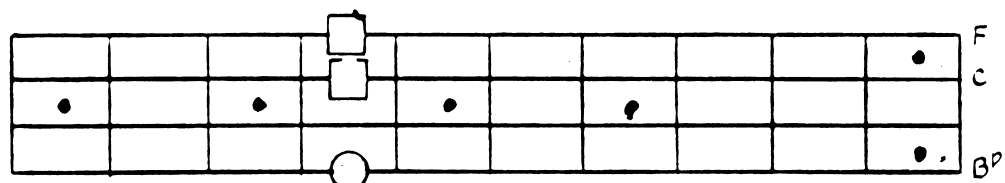


A
D^b
B^b

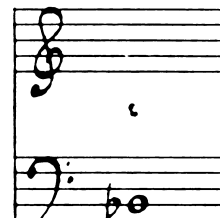


28

B^b 9

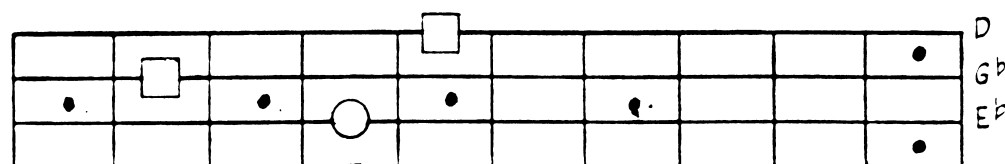


F
C
B^b

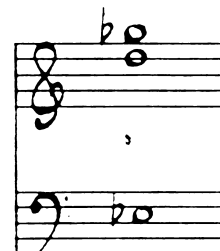


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E^b - MAJ 7

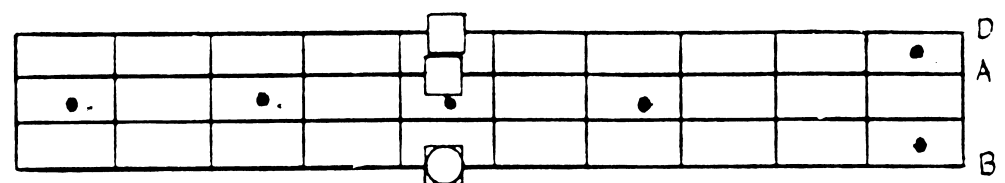


D
G^b
E^b

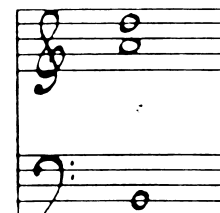


30

B - 7

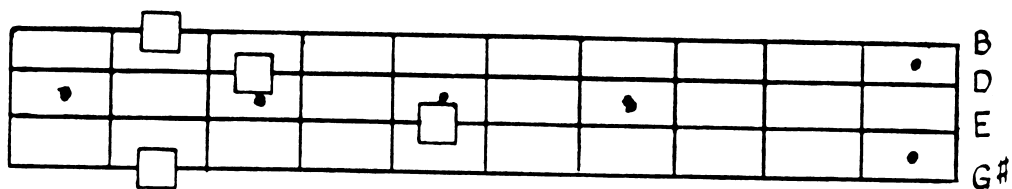
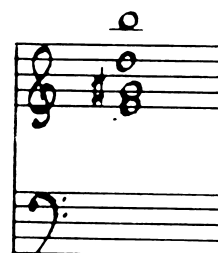


D
A
B



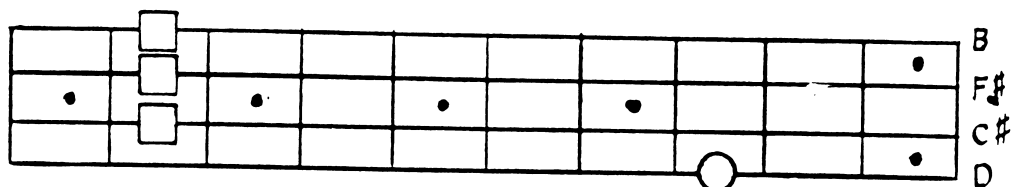
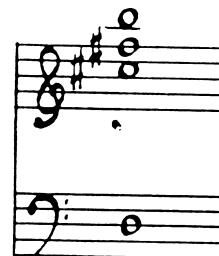
31

E 7

B
D
E
G#

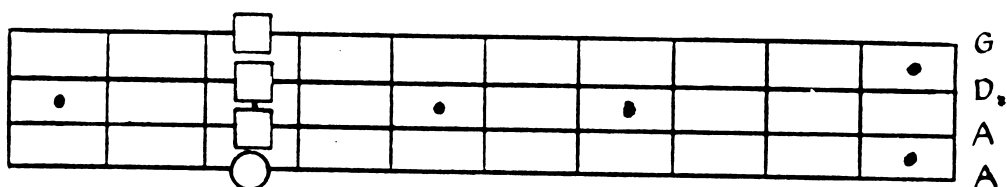
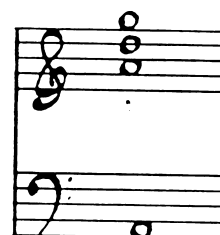
32

D MAJ 13

B
F#
C#
D

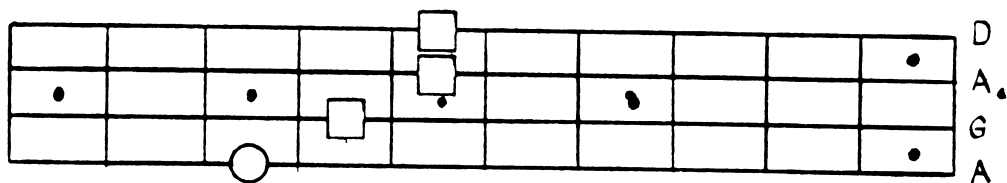
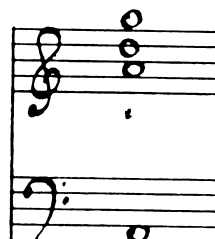
33

A SUS 7

G
D.
A
A

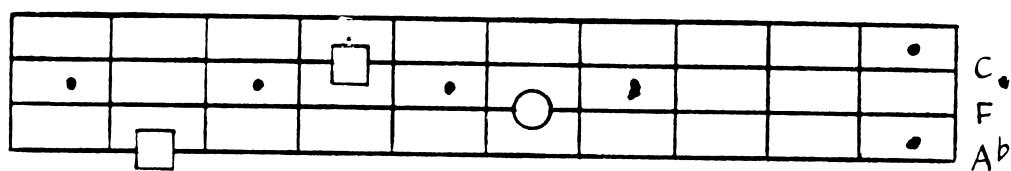
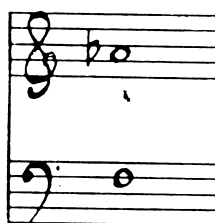
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A SUS

D
A.
G
A

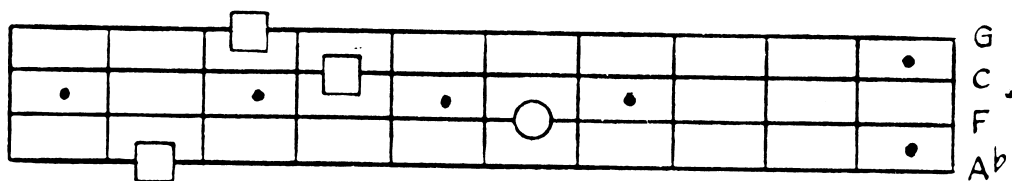
35

F -

C.
F
Ab

36

F - 9

G
C.
F
Ab

37 **F# SUS**

1st fret

B
F#
C#
F#

38 **E MAJ TRIAD**

3rd fret

B
E
G#

39 **E MAJ 9**

B
F#
E
G#

40 **A^b MAJ 7 #11, 13**

F
D.
G
A^b

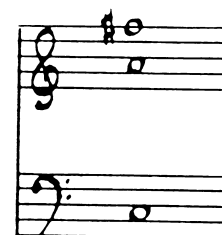
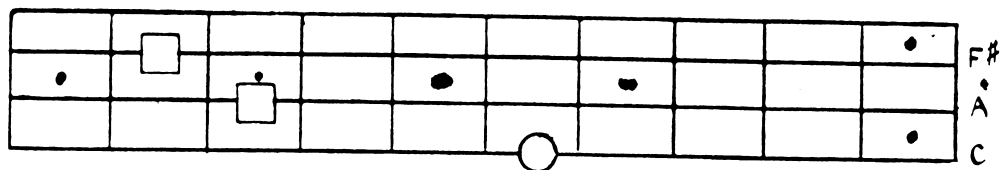
41 **E DIM.**

G
C#
E

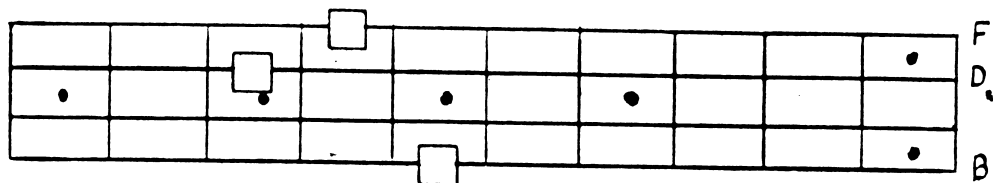
42 **A^b DIM.**

F
D.
A^b

43

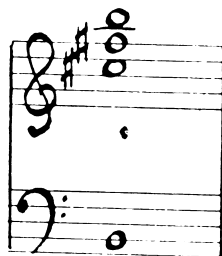
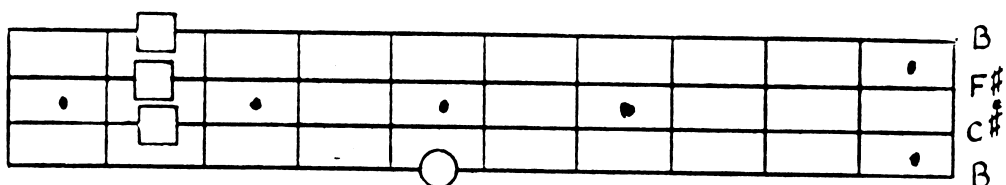
C^o

44

B^o

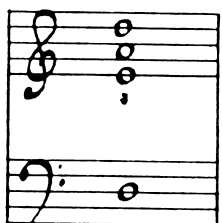
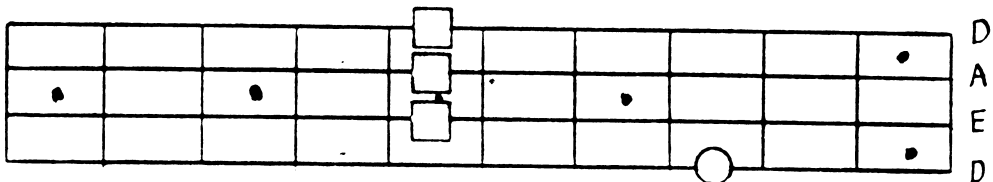
45

B MAJ 9

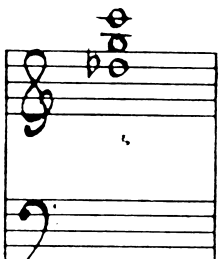
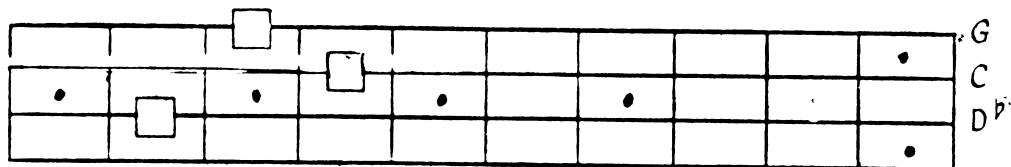


46

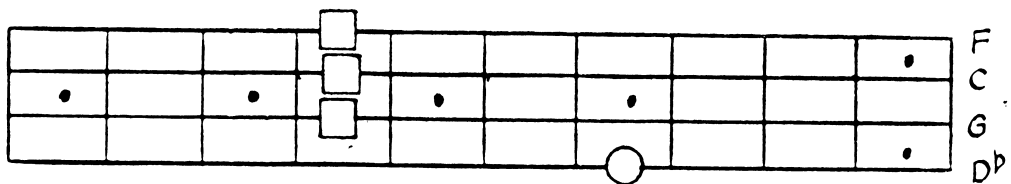
D MAJ 9



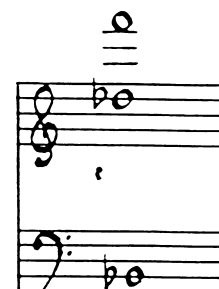
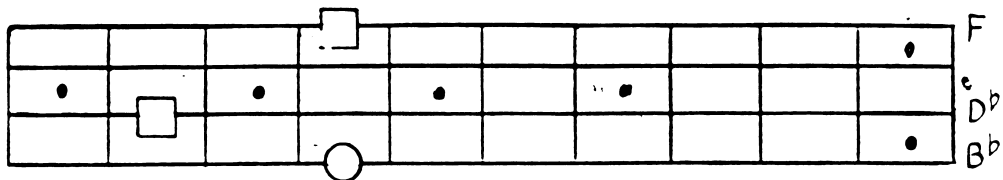
47

D^b LYD

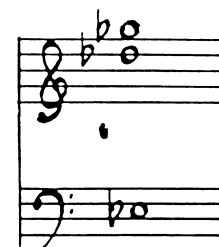
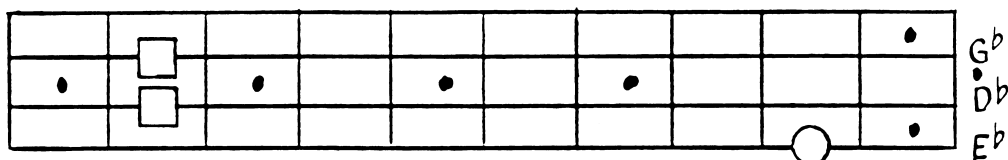
48

D^b LYD

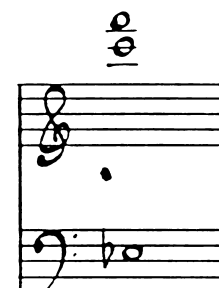
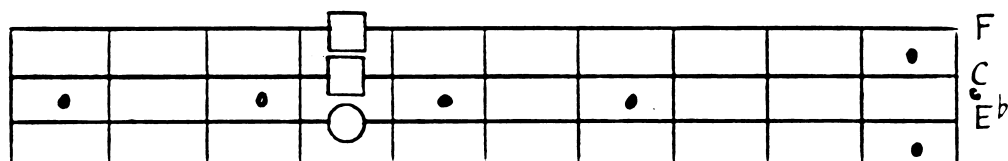
49

 $B^b -$ 

50

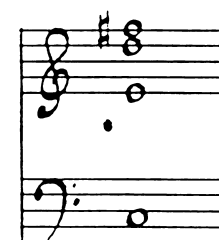
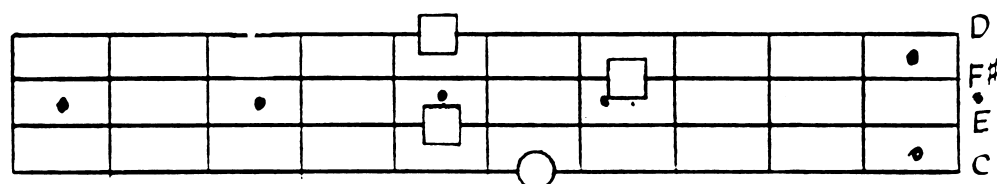
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51

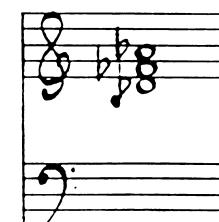
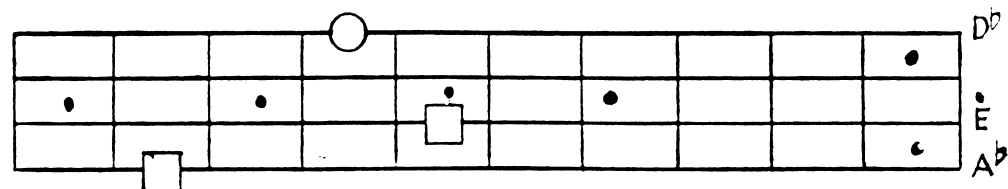
 $E^b 9,13$ 

52

C MAJ 9 #11

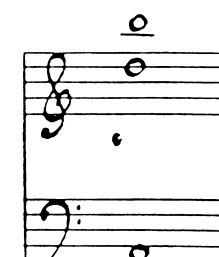
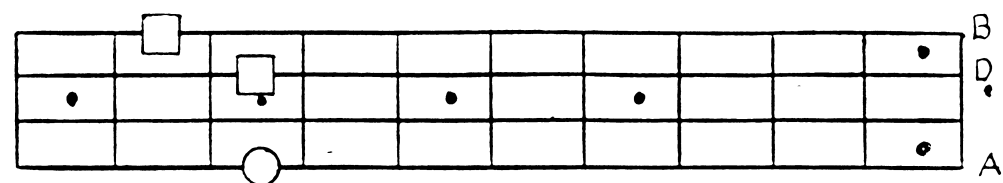


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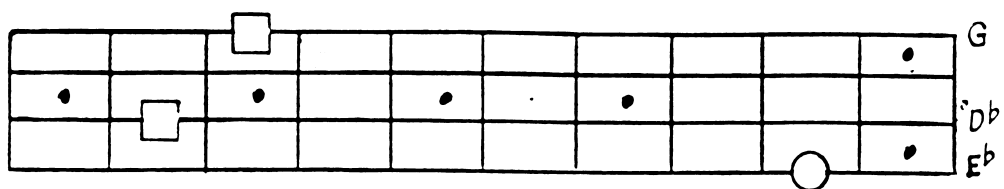
 $D^b -$ 

54

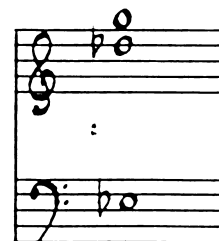
A SUS 9



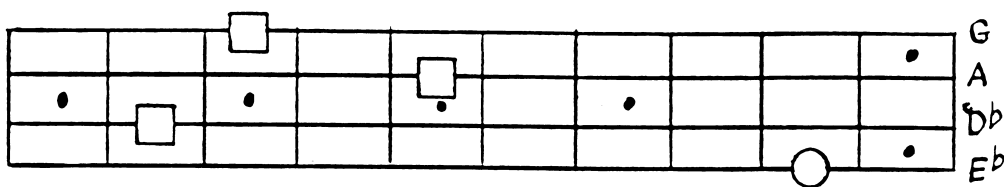
55

 E^b7 

G

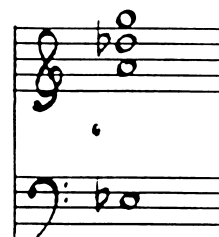
 D^b E^b 

56

 E^b7^b5 

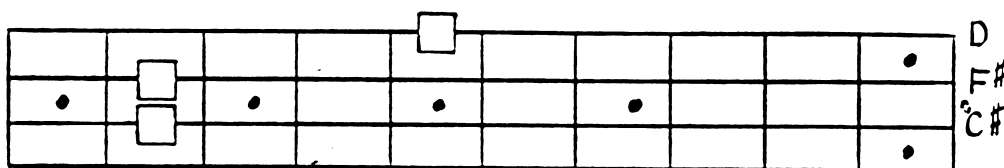
G

A

 D^b E^b 

57

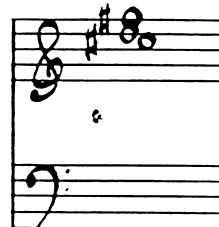
D MAJ 7



D

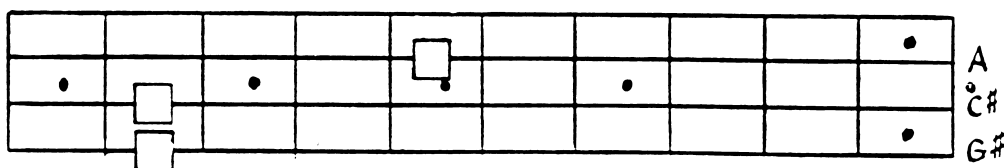
F#

C#



58

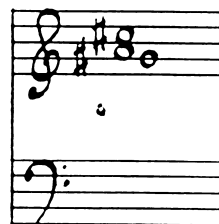
A MAJ 7



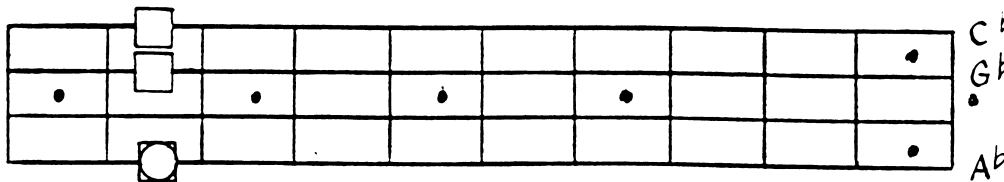
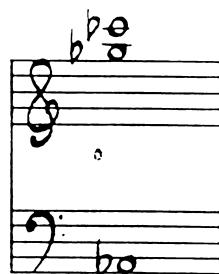
A

C#

G#

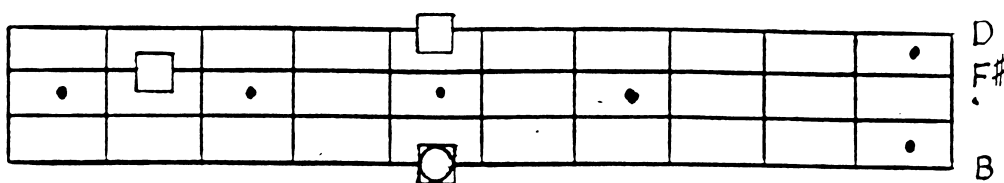


59

 A^b- C b G b A^b 

60

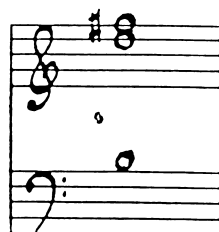
B-



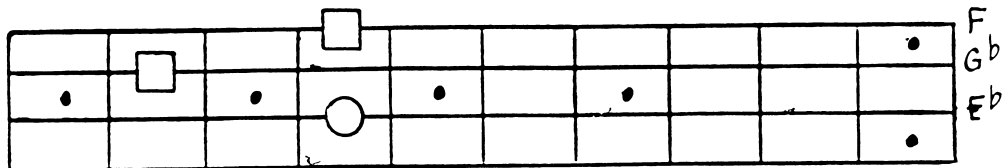
D

F#

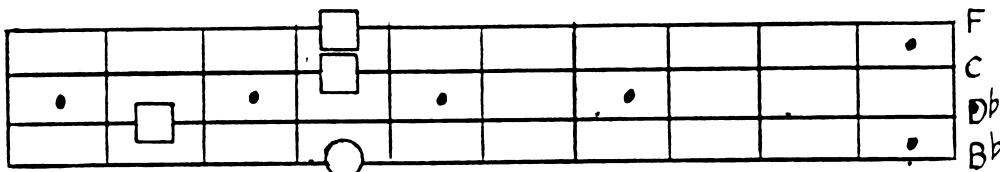
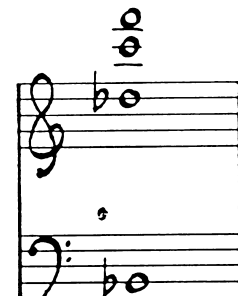
B



61

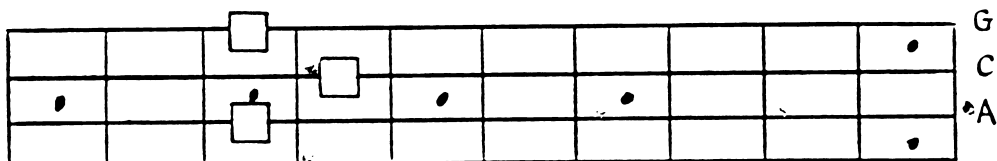
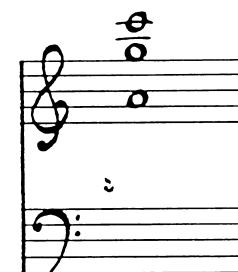
E^b-9F
G^b
E^b

62

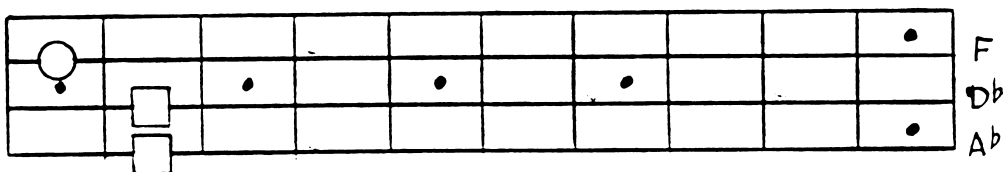
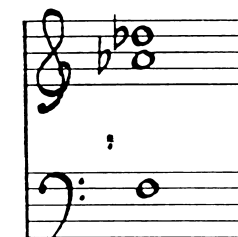
B^b-9F
C
D^b
B^b

63

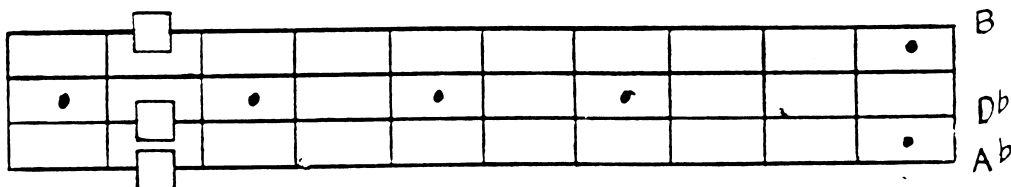
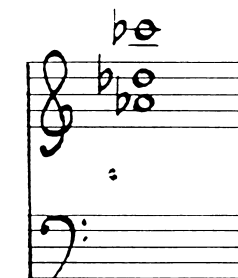
A-7

G
C
A

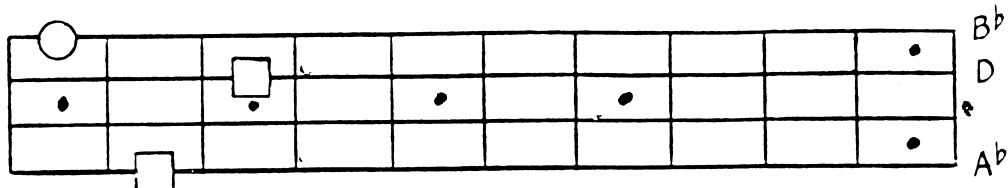
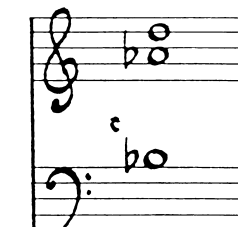
64

D^b MAJ. TRIADF
D^b
A^b

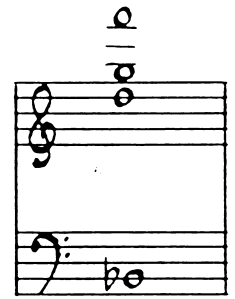
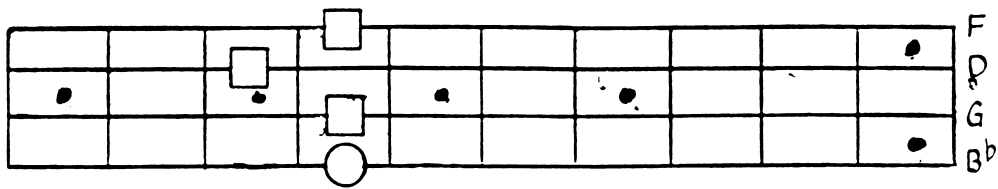
65

D^b7B
D^b
A^b

66

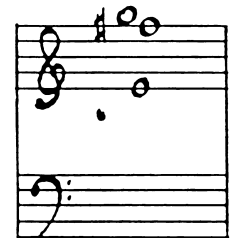
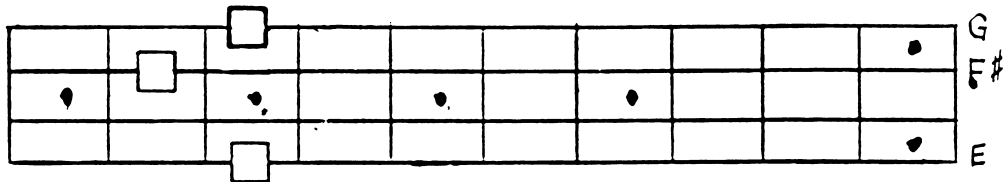
B^b7B^b
D
A^b

67

B^b6

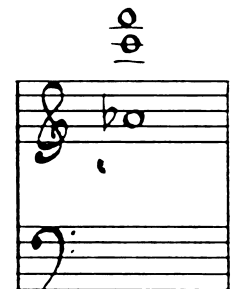
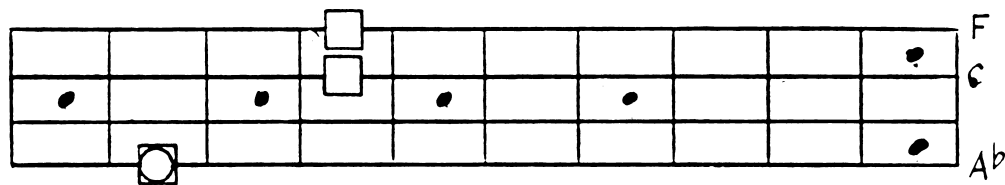
68

E-9



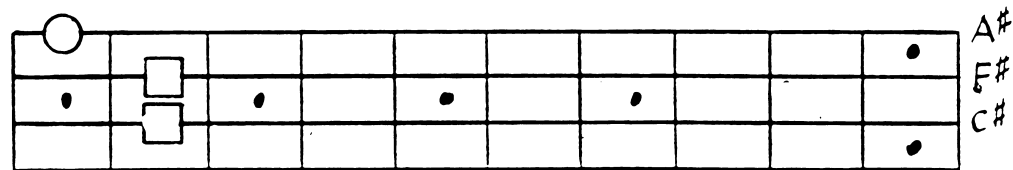
69

F-



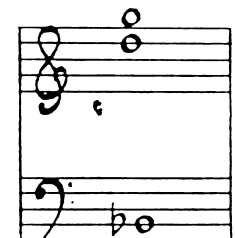
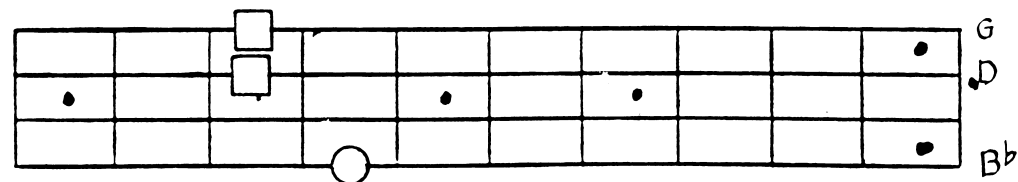
70

F#



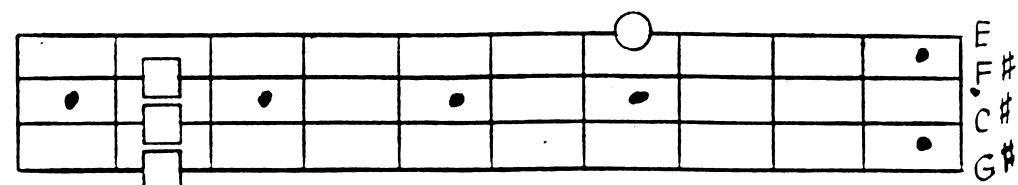
71

G-



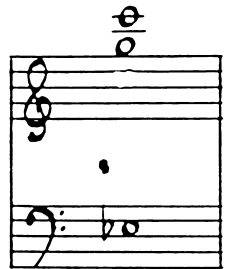
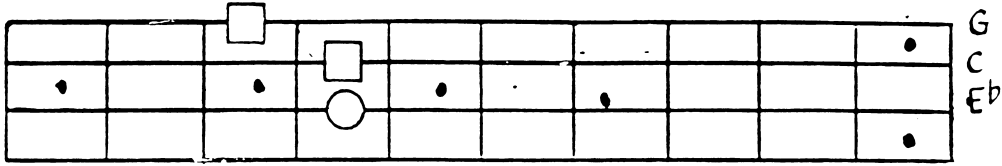
72

E MAJ 9, 13



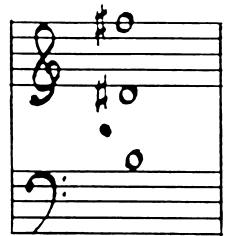
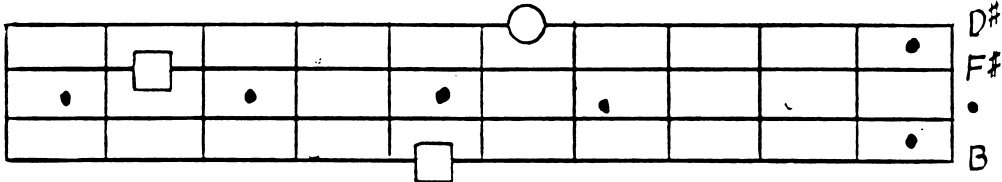
73

C-

3rd
fret

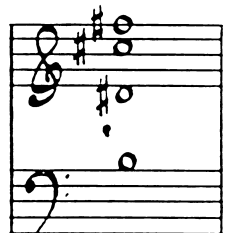
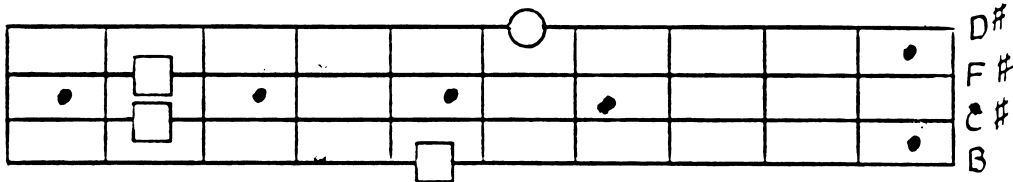
74

B MAJ. TRIAD



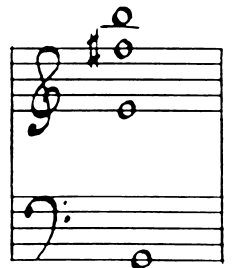
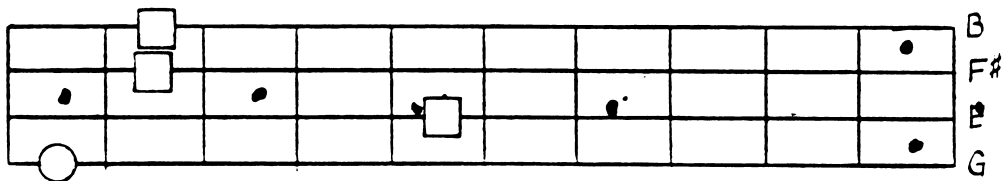
75

B MAJ. 9



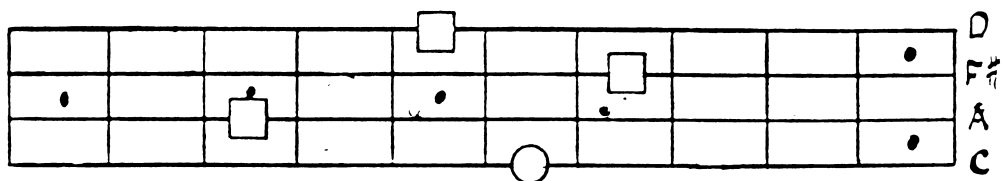
76

G MAJ 7, 13



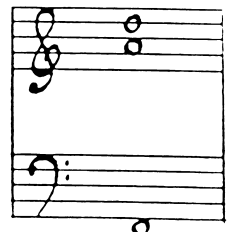
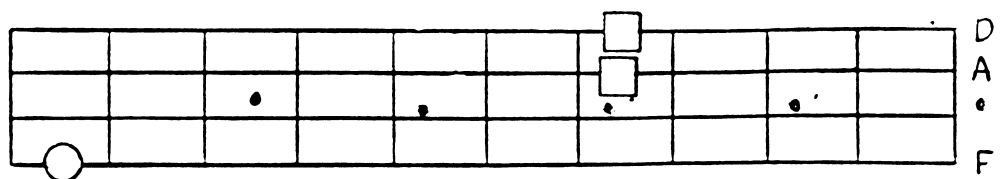
77

D7



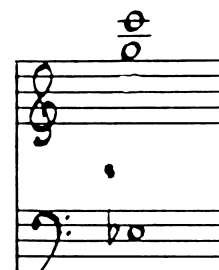
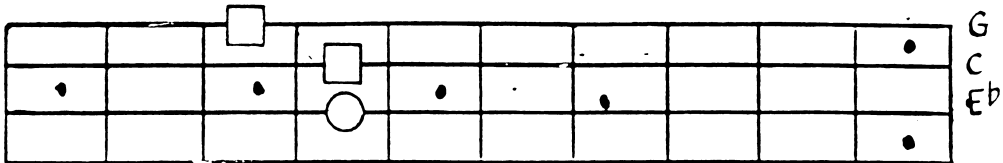
78

F6

1st
fret

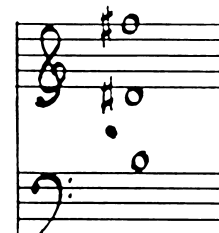
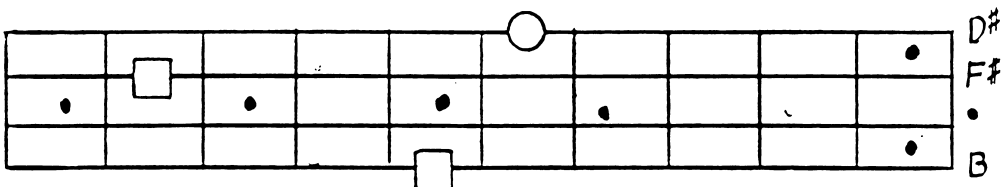
73

C-

3rd
fret

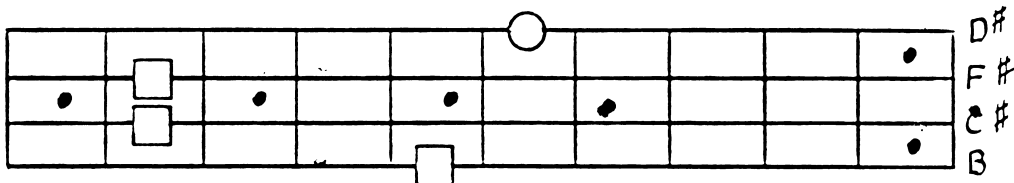
74

B MAJ. TRIAD



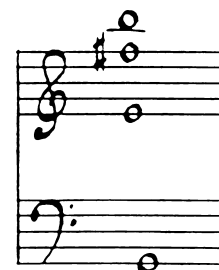
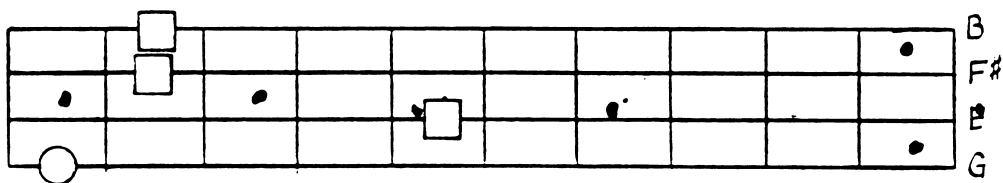
75

B MAJ. 9



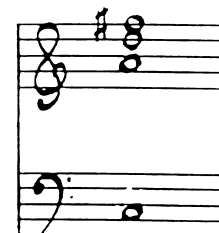
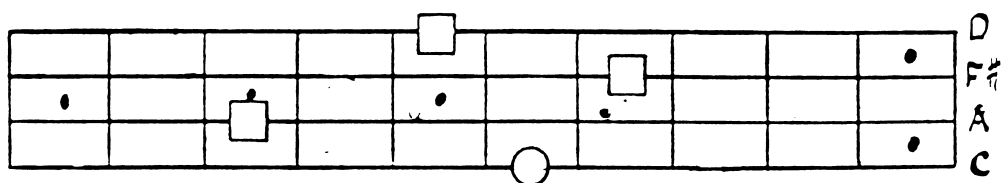
76

G MAJ 7, 13



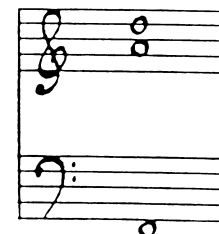
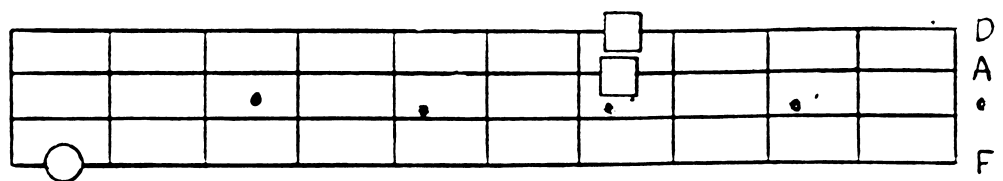
77

D7



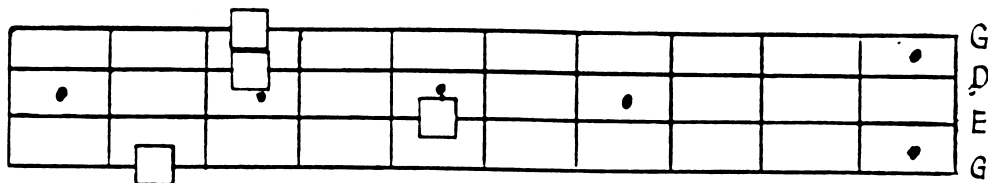
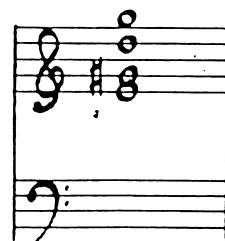
78

F6

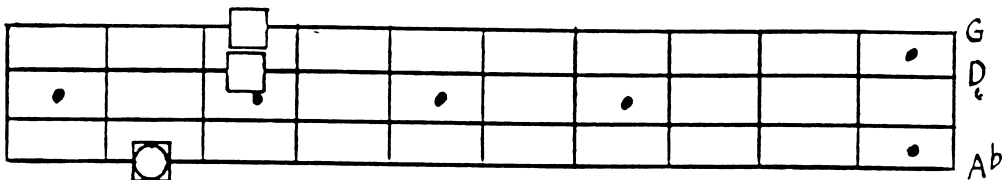
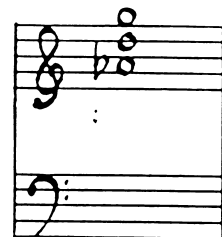
1st
fret

79

E7#9

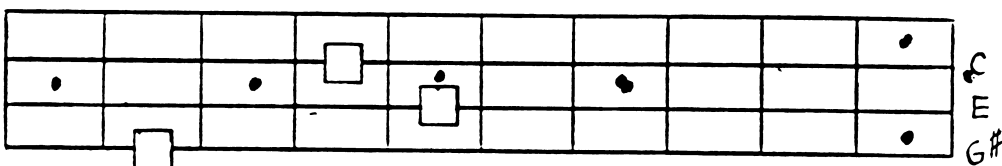
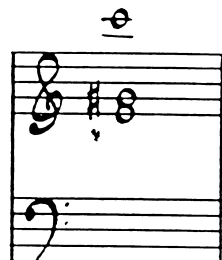
3rd
fretG
D
E
G

80

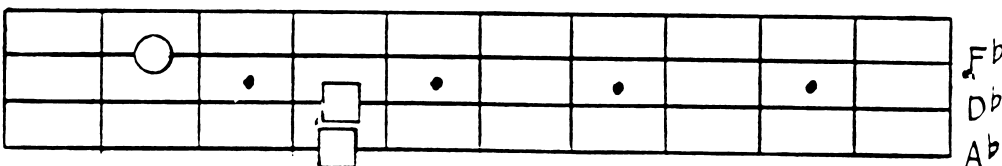
A^bLYDG
D^b
A^b

81

C AUG

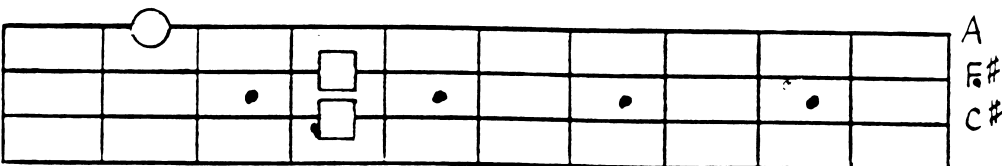
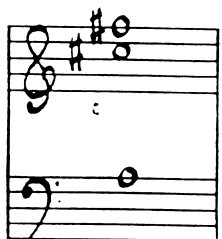
C
E
G#

82

D^b-1st
fretF^b
D^b
A^b

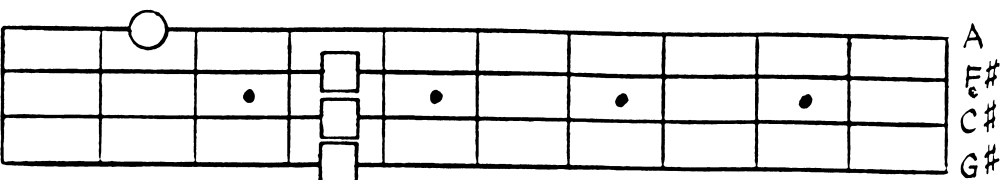
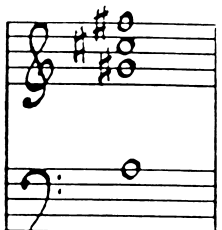
83

F#-

1 st
fretA
F#
C#

84

F#-9

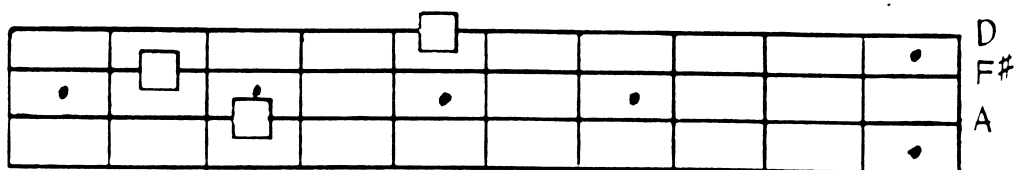
A
F#
C#
G#

3rd
fret

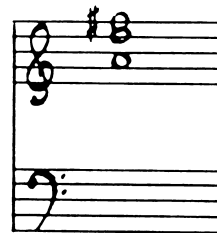


85

D MAJ TRIAD

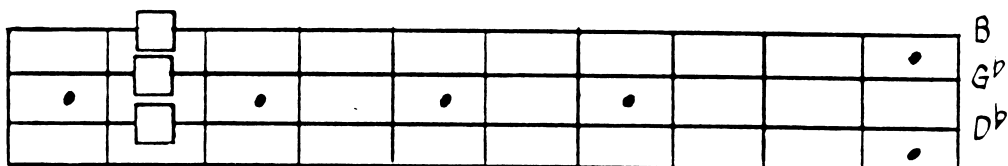


D
F#
A

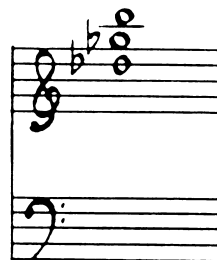


86

D^b SUS

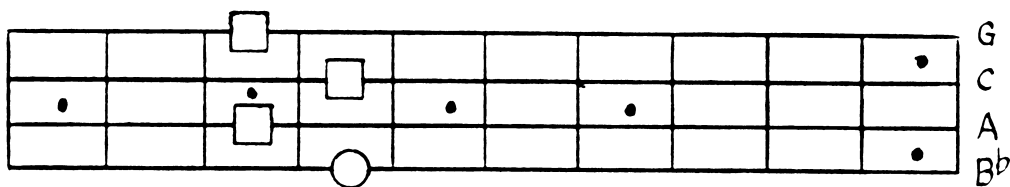


B
G^b
D^b

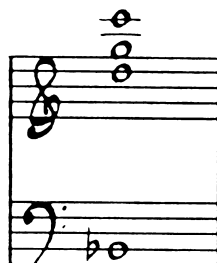


87

B^b MAJ 7, 9, 13

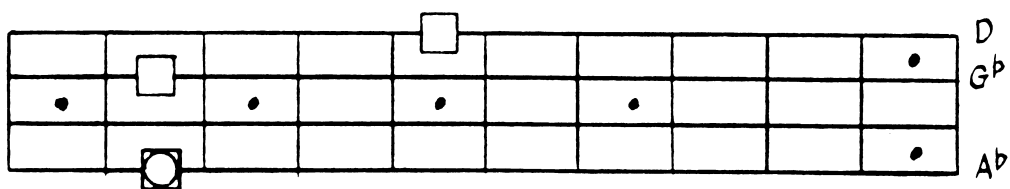


G
C
A
B^b

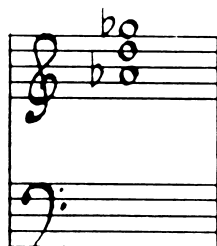


88

A^b 7^b5

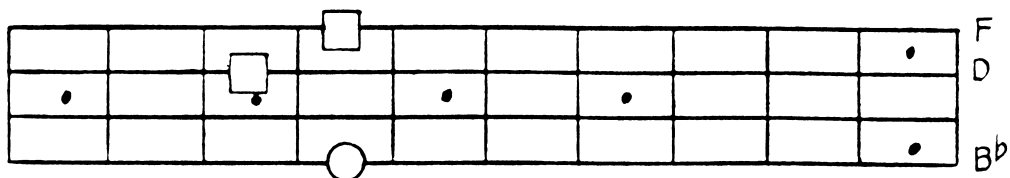


D
G^b
A^b

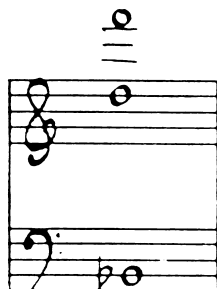


89

B^b TRIAD

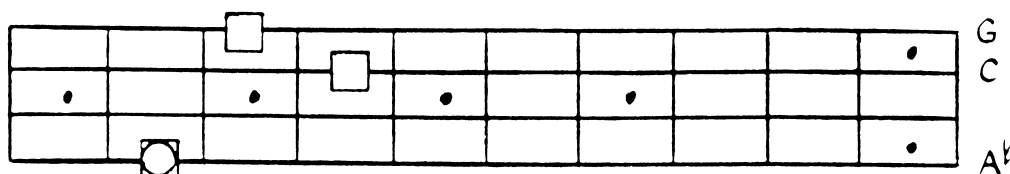


F
D
B^b



90

A^b MAJ 7



G
C
A^b

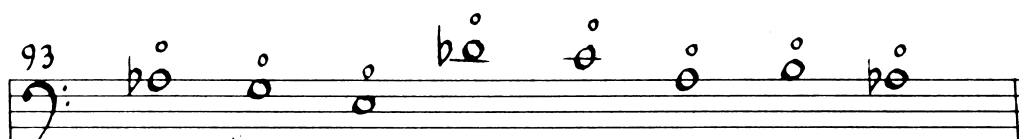


SCALES

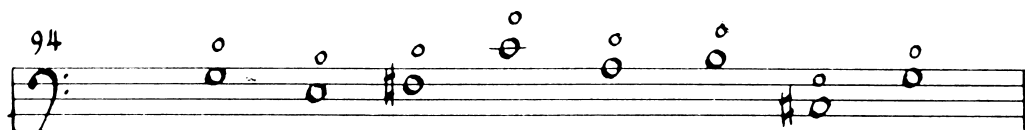
A major



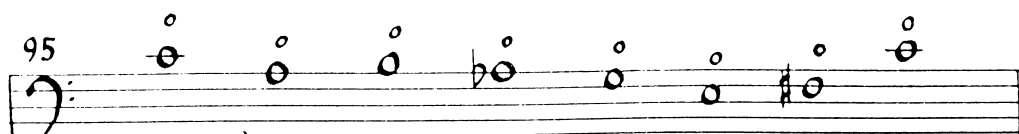
C major



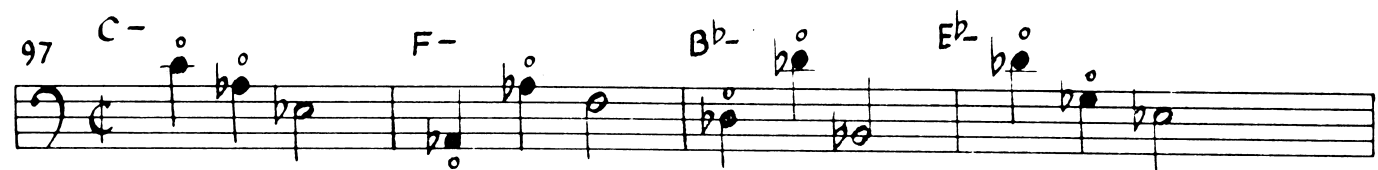
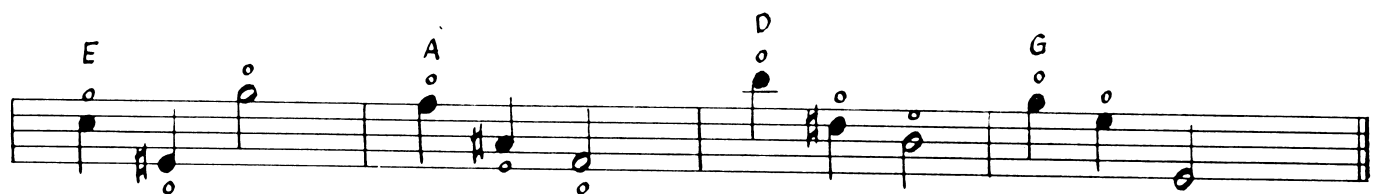
D major



G major



CYCLES



PROGRESSIONS

98 G E- A- D7 9th Fret

99 D MAJ7 B-7 E-7 A7 9th fret 7th

100 A F#- B- E7

101 A F#- B- E7

102 Eb C- F- Bb7

103 Ab F- Bb- Eb7 11th fret

CHROMATIC

104 E13 F9 F#SUS G9

A^b13 A13 B^b13 B9 C13

C#7SUS D^{SUS} E^b13 E7SUS

9th fret 10th 11th 12th

105 B9 B^bLYD A13 A^b13 G

F# F9 E13 E^b9 D^{SUS}

11th fret 10th

C#SUS C

9th

MY FAVORITES

106

Musical notation for measure 106, featuring a bass clef, key signature of one sharp (F#), and common time (C). The measure contains a complex sequence of notes and rests, including a double bar line and a repeat sign.

Handwritten musical notation for the first system of 'The Rose Tree'. The music is written on a five-line staff. It begins with a treble clef and a key signature of one flat (B-flat). The melody consists of several eighth and quarter notes, with some notes beamed together. There are also some rests and a final double bar line at the end of the system.

107

107

The first measure of the song is written in 2/4 time. It begins with a quarter rest, followed by a quarter note on G4, an eighth note on A4, and a quarter note on B4.

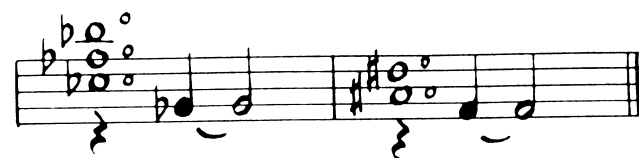
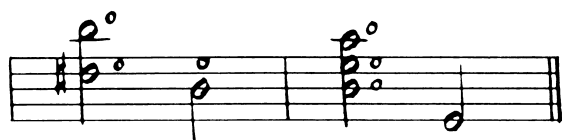
7th POS.

108

108

MY FAVORITES

Let Notes Ring



MY FAVORITES

111

Measures 111-113: This system contains three staves of music. The first staff begins with a bass clef and a common time signature 'C'. It features a series of chords and eighth notes. The second staff continues the harmonic progression with similar chordal structures. The third staff concludes the system with a final chord and a fermata.

112

Measure 112: This system contains a single staff of music. It begins with a bass clef and a 4/4 time signature. The melody consists of eighth notes, and the accompaniment features chords.

113

Measures 113-114: This system contains two staves of music. The first staff starts with a bass clef and a 4/4 time signature, showing a melodic line with eighth notes and chords. The second staff continues the piece with a similar melodic and harmonic structure.

114

Measure 114: This system contains a single staff of music. It begins with a bass clef and a common time signature 'C'. The notation includes chords and eighth notes, ending with a fermata.

LICKS

G MAJ 7

115



7TH POS.

D MAJ 7

121



D MAJ 7

116



G MAJ 7 #11

122



G MAJ 7

117



E 7, 13

123



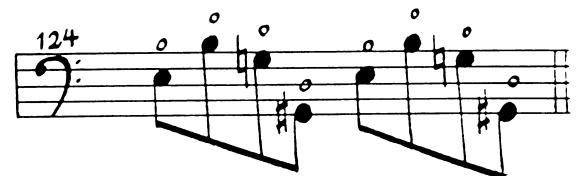
D MAJ 7

118



E 7

124



E 7 #9

119



A 7

125



G MAJ 7

120



A 7

126



LICKS

127 Dsus G

128 Bsus E

129 Asus A

130 Dsus D

131 E7 A MAJ7

132 Dsus G

133 Dsus D Dsus D